

WSLF0386

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WSCF
ANALYTICAL LABORATORY REPORT
ANALYSIS OF BULK SAMPLES FOR FIBER CONTENT
for

Bechtel Hanford, Inc.
Richland, WA 99352

Attention: J. Kessner MSIN: H0-25

Survey ID SAF# B01-113

Data Validator

Shirley O. Bellin

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Group#: 20011579
Report Date 6-dec-2001
bulk/rev.4

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Fluor Hanford, Inc.
MSIN: S3-28
Richland, WA 99352

Phone 373-7403

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JUN 10 2002

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ANALYTICAL LABORATORY REPORT
ANALYSIS OF BULK SAMPLES FOR FIBER CONTENT

Your samples have been analyzed for fiber content using polarized light microscopy and dispersion staining in accordance with Industrial Hygiene Laboratory Procedure LA-519-403, based on 40 CFR Part 763, Subpart E, App. E and EPA method EPA/600/R-93/116. The results are attached.

This method provides a visual estimate of the percentage of each fiber type present. It is a semiquantitative method intended to identify materials containing $>$ or \approx 1% asbestos fibers.* Reported fiber percentages for samples and sample layers are based on the samples as received by the laboratory. The laboratory cannot verify that these values are representative of the original material sampled.

The Waste Sampling and Characterization Facility is accredited by the American Industrial Hygiene Association (AIHA) to analyze bulk samples for asbestos content. This accreditation does not constitute approval or endorsement of analytical results by AIHA.

If there are questions concerning this report, please contact the data validator listed on the cover page of this report.

* Because of the nonhomogeneous nature of soils, results will be reported using the following terms rather than percentages:

1. None - No asbestos fibers found.
2. Trace detectable - With extensive searching, a few fibers of the type indicated were found; concentration very low, well below 1%.
3. Obvious presence - Fibers easily found but overall concentration still low.
4. Significant presence - Fibers readily found; overall concentration may approach or exceed 1% level.

Polarized light microscopy (PLM) may not be the preferred method for identification of asbestos in floor tile. Most vinyl floor tiles marketed in the late sixties to mid-seventies contained asbestos milled so fine as to be below detection limits for PLM techniques. Tiles of that vintage, showing any detectable asbestos fibers should be considered to be asbestos-containing material. Non-detection of asbestos by PLM should not be considered conclusive proof that the tiles do not contain asbestos. Follow-up analysis by other techniques may be required.

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ANALYTICAL LABORATORY REPORT

Attention: J. Kessner MSIN: H0-25

Group #: 20011579

Sample #	Client ID	Test Performed	Range	Result	Units	Analyst	Sampled	Received	Analyzed
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W01K02051 B13F23

The following are the results of this test: Bulk Asbestos Layer 1

Synthetic

<

1 %

sdb

11/26/01

11/29/01

11/29/01

SAMPLE COMMENT-- Non-homogeneous tan soil with grey, tan, and white rocks,
SAMPLE COMMENT-- reportedly sampled from 200W/Well #C3803, 299-W15-42.
SAMPLE COMMENT-- No asbestos fibers were detected in this sample.

RDL - Reporting Detection Limit RDL is $\geq 2 \times$ MDL
RQ=Result Qualifier J - Estimated value.

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Bechtel Hanford, Inc.

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ANALYTICAL COMMENT REPORT

Attention: J. Kessner MSIN: H0-25

Group #: 20011579

Sample #	Client ID	Lab Area	Test	Comment
		VALGROUP		Validated 12/6/01 by SD Bolling, IH Technical Manager.
W01H002051	B13F23	LOGSAMP		Received and logged by SD Bolling 11/29/01.
		TESTDATA	Bulk Asbestos Layer 1	Non-homogeneous tan soil with grey, tan, and white rocks, reportedly sampled from 200W/Well #C3803, 299-W15-42. No asbestos fibers were detected in this sample.

Lab Areas: VALGROUP - Group Validation
LOGSAMP - Login for Sample

VALTEST - Test Validation
LOGTEST - Login for Tests

TESTDATA - Test Data Entry

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Bechtel Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST						B01-113-60		Page 1 of 1		
Collector Renee Nielson		Company Contact Virginia Rohay		Telephone No. 372-9100		Project Coordinator TRENT, SJ		Price Code 8N		Data Turnaround 14 Days		
Project Designation PFP Well Installation Sampling and Analysis - Soil		Sampling Location 200 West; Well Number C3803, Well Name 299-W15-42 0'-Z'				SAF No. B01-113		Air Quality <input type="checkbox"/>				
Ice Chest No. EPLC99-050		Field Logbook No. EL-1562		COA T20ZP1D722		Method of Shipment Hand deliver - Govt. vehicle						
Shipped To Waste Sampling & Characterization		Offsite Property No. NA				Bill of Lading/Air Bill No. MHA						
POSSIBLE SAMPLE HAZARDS/REMARKS Special Handling and/or Storage				Preservation	None							
				Type of Container	aG							
				No. of Container(s)	1							
				Volume	60mL							
SAMPLE ANALYSIS				Asbestos								
Sample No.	Matrix *	Sample Date	Sample Time									
B13F23 WOIIC002051	SOIL	11/26/01	2110	X							B13F06	
CHAIN OF POSSESSION				Sign/Print Names		SPECIAL INSTRUCTIONS						Matrix *
Relinquished By R. Nielson		Date/Time 11/27/01 0442	Received By [Signature]		Date/Time 11/27/01 0442	Samples stored in Ref.# _____ at the 3728 Shipping Facility on ____/____/____. Collector not available to relinquish samples on ____/____/____ for shipment.						S=Soil SE=Sediment SD=Solid S=Sludge W=Water O=Oil A=Air DS=Dry Solid DL=Dry Liquid T=Tissue W=Wipe L=Liquid V=Vegetation X=Xenotransplant
Relinquished By Ref #2051		Date/Time 11/29/01 0925	Received By [Signature]		Date/Time 11/29/01 0925							
Relinquished By [Signature]		Date/Time 11/29/01 1002	Received By [Signature]		Date/Time 11/29/01 1002							
Relinquished By Therese D Bell		Date/Time 11/29/01 1300	Received By [Signature]		Date/Time 11/29/01 1300							
Relinquished By		Date/Time	Received By		Date/Time							
Relinquished By		Date/Time	Received By		Date/Time							
LABORATORY SECTION		Received By		Title								Date/Time
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By								Date/Time